Refine Search

Search Results -

Terms	Documents
L15 and L9	5

US Pre-Grant Publication Full-Text Database

US Patents Full-Text Database

US OCR Full-Text Database

Database:

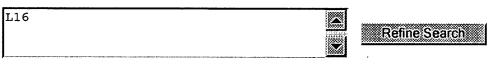
EPO Abstracts Database

JPO Abstracts Database

Derwent World Patents Index

IBM Technical Disclosure Bulletins

Search:









Search History

DATE: Thursday, October 13, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB = C	=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YE OR	ïS;	
<u>L16</u>	L15 and 19	5	<u>L16</u>
<u>L15</u>	L14 and 18	63	<u>L15</u>
<u>L14</u>	L10 or l11 or l12	6101	<u>L14</u>
<u>L13</u>	110-L12	10138672	<u>L13</u>
<u>L12</u>	705/8,15,22,28-29.ccls.	3521	<u>L12</u>
<u>L11</u>	99/325,407.ccls.	1166	<u>L11</u>
<u>L10</u>	700/247,207,245.ccls.	1419	<u>L10</u>
<u>L9</u>	L8 and (quantit\$ with (plan\$ or desir\$) with time\$)	6	<u>L9</u>
<u>L8</u>	14 or 15 or 16 or 17	150	<u>L8</u>
DB=	=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR		

(4685386 | 4742455 | 3283695 | 5101352 | 3033059 | 4289064 | 3641263 | 4616971 | 4036569 | 3866795 | 4688549 | 2841074 | 4553222 | 3984009 |

<u>L7</u>	4295771 4664590 4611749 5053970 3456425 3080999 4744026 4744027 3228320 4503507 4044660 4646238 4226176 5172313 5093794 2616359 4595333 3665842 3218960 3442200 3410198 5148370 3227313 3653541 4074793 3442423 5185715 3908531 0372380 4438683 2253027 4924386 3262593 5216593 3391633 3273488 3183856 4628974 4171144 1672738 5140537 3690247 4176590 5155679 3340790 2949200 3340792 3910535 1755699	66	<u>L7</u>
DB:	4228730 4885686 4627785)![PN] =PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;		
OP = C			
<u>L6</u>	('5630070' '4922435')[ABPN1,NRPN,PN,TBAN,WKU]	4	<u>L6</u>
<u>L5</u>	('5630070' '4922435')[URPN]	80	
<u>L4</u>	12	2	<u>L4</u>
DB	=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR		
<u>L3</u>	L2 and food\$	2	<u>L3</u>
<u>L2</u>	4922435.pn. or 5630070.pn.	2	<u>L2</u>
<u>L1</u>	6026372.pn.	1	<u>L1</u>

END OF SEARCH HISTORY

Hit List

First Hit

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Generate Collection Clear Print Fwd Refs Bkwd Refs Generate OACS

Search Results - Record(s) 1 through 6 of 6 returned.

☐ 1. Document ID: US 6826538 B1

Using default format because multiple data bases are involved.

L9: Entry 1 of 6

File: USPT

Nov 30, 2004

US-PAT-NO: 6826538

DOCUMENT-IDENTIFIER: US 6826538 B1

TITLE: Method for planning key component purchases to optimize revenue

DATE-ISSUED: November 30, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Kalyan; Vibhu K. Singh; Vikas

Plano

TX

Irving

TX

Starr; Jeffrey H.

Carrollton

ТX

US-CL-CURRENT: 705/7; 705/400, 705/8

Full	Titl∈	Citation	Front	Review	Classification	Date	Reference (Classical Classical Class	ims 19000 Franc
								•
	<i></i>		Shhh.	**************	****************	**********		

☐ 2. Document ID: US 5172313 A

L9: Entry 2 of 6

File: USPT

Dec 15, 1992

US-PAT-NO: 5172313

DOCUMENT-IDENTIFIER: US 5172313 A

** See image for Certificate of Correction **

TITLE: Computerized management system

Full Title Citation Fr	ont Review Classification	Pate Reference Property Claims Linux - Lyang -

☐ 3. Document ID: US 5053970 A

L9: Entry 3 of 6

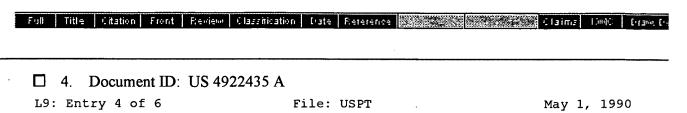
File: USPT

Oct 1, 1991

US-PAT-NO: 5053970

DOCUMENT-IDENTIFIER: US 5053970 A

TITLE: Work scheduling method

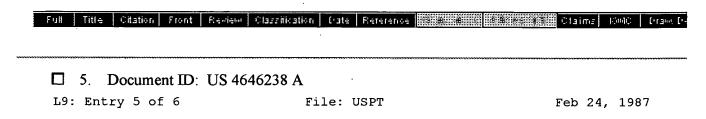


US-PAT-NO: 4922435

DOCUMENT-IDENTIFIER: US 4922435 A

** See image for Certificate of Correction **

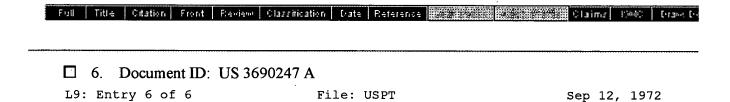
TITLE: Food preparation robot



US-PAT-NO: 4646238

DOCUMENT-IDENTIFIER: US 4646238 A

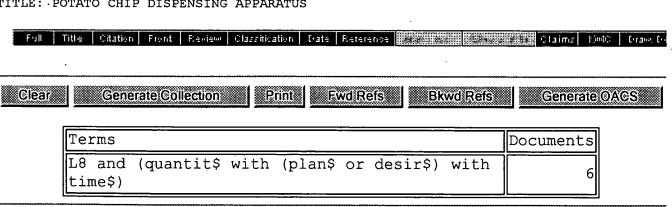
TITLE: Material requirements planning system and procedures for use in process industries



US-PAT-NO: 3690247

DOCUMENT-IDENTIFIER: US 3690247 A

TITLE: POTATO CHIP DISPENSING APPARATUS



wo-ist.de

Quantity Cooking



HOME current search: Quantity Cooking last search:

Similar Searches

quantity recipes
for a crowd
large groups
cooking quantities
quantity cookery
crowds
large quantity
large quantites
large quantities
growlies
servings
quantity cooking
large quantity cooking
quantity cooking recipes

cooking in quantity

Companies that offer products and services related to Quantity Cooking shoul in our directory which currently contains more than 2 million listings. We do c best to deliver results at wo-ist.de so you get the most relevant information available today in the DE for your search for Quantity Cooking.

Top>Home>Cooking>Quantity Cooking>

> Once a Month Cooking

1. Quantity Cooking

Keine Beschreibung vorhanden.

http://www.wmlguru.net/Home/Cooking/Quantity_Cooki....

2. **Quantity Cooking** links and information concerning quan

Impressum Yoody: Home: Cooking: Quantity Cooking: Quantity Cooking find, click buy quantity cooking Quantity Cooking WEHA Glass Ceramic. The glass ceramics large cooking fields have the stove coping or if requested it can also be circulate... http://www.yoody.de/index.php/Home/Cooking/Quantit....

3. Once a Month Cooking 🗗

Keine Beschreibung vorhanden.

http://www.wmlguru.net/Home/Cooking/Quantity_Cooki....

Click here to view additional sponsored I

Alaska Seafood @

Recipes for quantity seafood preparation. (http://www.alaskaseafood.org/flavor/recipes/large.htm)

Allencanning.com: Food Service 🗗

Provides food service recipes in down load formats. (http://www.allencanning.com/dining/foodservice.htm)

Apricot Foodservice Size Recipes

A handfull of recipes designed for large groups or crowds. (http://www.apricotproducers.com/html/fdserrcpbx.htm)

Buttered Carrots @

Two recipes included, one for feeding 6-8 people and one for feeding 250 people. Othe ingredients include white wine, currants, and dates. (http://www.godecookery.com/friends/frec49.htm)

Customcatering.net: Seafood Gumbo 🗗

Full recipe makes three gallons.

(http://www.customcatering.net/Rec_soup/sfgumbo.html)

Dayle's Growlies for Groups 🗗

Large quantity recipes for groups, parties, freezing ahead, buffet table, food amounts serve 100.

(http://members.tripod.com/%7Elotsofinfo/index.html)

Food Service Resource List Meal Planning & Preparation 🗗

United States Department of Agriculture listing of some available publications. (http://www.nal.usda.gov/fnic/service/foodmp1.htm)

Foodservice Recipes

Recipes utilizing soyfoods for foodservice professionals. Includes preparation instructic and nutritional information. From The United Soybean Board. (http://www.talksoy.com/FoodIndustry/FoodserviceRecps.htm)

Freezing Prepared Foods

This factsheet from Clemson University provides information on safe preparation, thaw and serving, storage times and information on foods that do not freeze well. (http://hgic.clemson.edu/factsheets/HGIC3065.htm)

Glazed Carrots 但

Serves 45.

(http://members.tripod.com/~lotsofinfo/V7Glazedcarrots.htm)

Healthwise Quantity Cookbook 回

Recipes for sides, soups, entrees, and baking in quantity. (http://www.canolainfo.org/html/quantity.html)

Idaho Potato Recipes 🗗

Foodservice recipes for large quantities. (http://www.idahopotato.com/FoodService/Recipes/FS_RecipeInde)

Link Culinaire Recipes @

A large index of chef recipes designed for restaurant use and large crowds. (http://www.flash.net/%7Echefr/hotline.htm)

Potatoes.com: Recipes and Cooking

A selection of foodservice recipes using potatoes. (http://www.potatoes.com/recipes.cfm?Query=I)

Recipes from Challenge II 🗗

Fifteen recipes to serve 50 to 100 people, from the USDA. (http://www.nal.usda.gov:8001/Chef/challenge2.html)

RecipeSource: Serves 100 日

A chart to calculate how much food is needed to serve 100 people. (http://www.recipesource.com/misc/hints/serves-1001.html)

The Recipe Hut: Recipes for 50 Persons or More

Includes spareribs and barbecue sauce, spaghetti and hamburger sauce, potato salad, meat loaf and tomato sauce.

(http://recipehut.homestead.com/Bulk.html)

UniChef.com @

Recipes for professional chefs. Yields are for foodservice applications. (http://www.unichef.com/recipes.htm)

Copyright © 2005 wo-ist.de and its licensors - All rights reserved

Auto Computer Elektronik Erotik Finanzen Geschenke Gesundheit Handy Internet Musik News & Wetter Reisen Schönheit Shopping Spiele Sport Treffpunkt Unterha Zuhause

uns.ch

Quantity Cooking



HOME current search: Quantity Cooking last search:

Similar Searches

quantity recipes
for a crowd
large groups
cooking quantities
quantity cookery
crowds
large quantity
large quantites
large quantities
growlies
servings
quantity cooking
large quantity cooking
quantity cooking recipes
cooking in quantity

Companies that offer products and services related to Quantity Cooking shoul in our directory which currently contains more than 2 million listings. We do c best to deliver results at uns.ch so you get the most relevant information avaitoday in the die Schweiz for your search for Quantity Cooking.

Top>Home>Cooking>Quantity Cooking>

> Once a Month Cooking

1. Web Catalog Agri- Shop - DWodp live 🗗

Search: Top: Home: Cooking: Quantity Cooking: Once a Month Cooking (20) Soups Stews @ (53) See also: Home: Cooking: Outdoors (78) 50) this.border=1" alt="http://www.alaskaseafood.org/flavor/recipes/large.htm"/> » Alaska Seal R...

http://www.agri-shop.ch/index.php/Home/Cooking/Qua....

2. Searchalot Directory for Top/Home/Cooking/Quantity Cooking

Home Search News Weather Directions E- Mail Global Games Advanced Search Prefere Directory: Top: Home: Cooking: Quantity Cooking (38) Once a Month Cooking (20) and Stews (53) Related Categories Home: Cooking: Outdoors Related Web Pages http://www.searchalot.com/Top/Home/Cooking/Quantit....

3. Mega Cooking: A Revolutionary New Plan for Quantity Cookin

Published September, 2000 ISBN 1581820968 Hardcover http://www.compareshopbooks.com/books/1581820968.h....

Click here to view additional sponsored I

Alaska Seafood 🖾

Recipes for quantity seafood preparation. (http://www.alaskaseafood.org/flavor/recipes/large.htm)

Allencanning.com: Food Service 巨

Provides food service recipes in down load formats. (http://www.allencanning.com/dining/foodservice.htm)

Apricot Foodservice Size Recipes 🗗

A handfull of recipes designed for large groups or crowds. (http://www.apricotproducers.com/html/fdserrcpbx.htm)

Buttered Carrots

Two recipes included, one for feeding 6-8 people and one for feeding 250 people. Othe ingredients include white wine, currants, and dates. (http://www.godecookery.com/friends/frec49.htm)

Customcatering.net: Seafood Gumbo 🗗

Full recipe makes three gallons.

(http://www.customcatering.net/Rec_soup/sfgumbo.html)

Dayle's Growlies for Groups ₽

Large quantity recipes for groups, parties, freezing ahead, buffet table, food amounts serve 100.

(http://members.tripod.com/%7Elotsofinfo/index.html)

Food Service Resource List Meal Planning & Preparation 🗗

United States Department of Agriculture listing of some available publications. (http://www.nal.usda.gov/fnic/service/foodmp1.htm)

Foodservice Recipes

Recipes utilizing soyfoods for foodservice professionals. Includes preparation instructic and nutritional information. From The United Soybean Board. (http://www.talksoy.com/FoodIndustry/FoodserviceRecps.htm)

Freezing Prepared Foods @

This factsheet from Clemson University provides information on safe preparation, thaw and serving, storage times and information on foods that do not freeze well. (http://hgic.clemson.edu/factsheets/HGIC3065.htm)

Glazed Carrots 🗗

Serves 45.

(http://members.tripod.com/~lotsofinfo/V7Glazedcarrots.htm)

Healthwise Quantity Cookbook

Recipes for sides, soups, entrees, and baking in quantity. (http://www.canolainfo.org/html/quantity.html)

Idaho Potato Recipes @

Foodservice recipes for large quantities. (http://www.idahopotato.com/FoodService/Recipes/FS_RecipeInde)

Link Culinaire Recipes @

A large index of chef recipes designed for restaurant use and large crowds. (http://www.flash.net/%7Echefr/hotline.htm)

Potatoes.com: Recipes and Cooking 🗗

A selection of foodservice recipes using potatoes. (http://www.potatoes.com/recipes.cfm?Query=I)

Recipes from Challenge II @

Fifteen recipes to serve 50 to 100 people, from the USDA. (http://www.nal.usda.gov:8001/Chef/challenge2.html)

RecipeSource: Serves 100 @

A chart to calculate how much food is needed to serve 100 people. (http://www.recipesource.com/misc/hints/serves-1001.html)

The Recipe Hut: Recipes for 50 Persons or More

Includes spareribs and barbecue sauce, spaghetti and hamburger sauce, potato salad, meat loaf and tomato sauce.

(http://recipehut.homestead.com/Bulk.html)

<u>UniChef.com</u> **但**

Recipes for professional chefs. Yields are for foodservice applications. (http://www.unichef.com/recipes.htm)

Copyright © 2005 uns.ch and its licensors - All rights reserved

Auto Erotik Geschenke Gesundheit Sport Computer Elektronik Finanzen Handy In Jobs Musik News & Wetter Reisen Schönheit Shopping Spiele Treffpunkt Unterhal Zuhause

wo-ist.de

cooking quantities



HOME current search: cooking quantities last search:

Similar Searches

quantity recipes
for a crowd
large groups
cooking quantities
quantity cookery
crowds
large quantity
large quantites
large quantities
growlies
servings
quantity cooking
large quantity cooking
quantity cooking recipes
cooking in quantity

Companies that offer products and services related to cooking quantities show in our directory which currently contains more than 2 million listings. We do could be best to deliver results at wo-ist.de so you get the most relevant information available today in the DE for your search for cooking quantities.

Top>Home>Cooking>Quantity Cooking>

> Once a Month Cooking

1. Cook & Chill: Greater Quantities in Less Time

Convotherm - Product / Technic - Cook & Chill http://www.convotherm.de/en_EN/produkte/cookchill.....

2. HDair e.pdf 🗗

MKN presents With the new steam condensation hood for the HansDampf FlexiCombi a dimension in flexibility is added! The HansDampf air ensures the HansDampf combi co technology can be used, independent of a tightly installed system for exhaust http://www.mkn.de/english/news/HDair_e.pdf

3. Home: Cooking - Open Site 🖃

Home: Cooking - Open Site.

http://www.open-site.org/Home/Cooking/

Click here to view additional sponsored I

Alaska Seafood @

Recipes for quantity seafood preparation. (http://www.alaskaseafood.org/flavor/recipes/large.htm)

Allencanning.com: Food Service

Provides food service recipes in down load formats. (http://www.allencanning.com/dining/foodservice.htm)

Apricot Foodservice Size Recipes

A handfull of recipes designed for large groups or crowds. (http://www.apricotproducers.com/html/fdserrcpbx.htm)

Buttered Carrots

Two recipes included, one for feeding 6-8 people and one for feeding 250 people. Othe ingredients include white wine, currants, and dates. (http://www.godecookery.com/friends/frec49.htm)

Customcatering.net: Seafood Gumbo

Full recipe makes three gallons.

(http://www.customcatering.net/Rec_soup/sfgumbo.html)

Dayle's Growlies for Groups

Large quantity recipes for groups, parties, freezing ahead, buffet table, food amounts serve 100.

(http://members.tripod.com/%7Elotsofinfo/index.html)

Food Service Resource List Meal Planning & Preparation

United States Department of Agriculture listing of some available publications.

(http://www.nal.usda.gov/fnic/service/foodmp1.htm)

Foodservice Recipes

Recipes utilizing soyfoods for foodservice professionals. Includes preparation instructic and nutritional information. From The United Soybean Board. (http://www.talksoy.com/FoodIndustry/FoodserviceRecps.htm)

Freezing Prepared Foods

This factsheet from Clemson University provides information on safe preparation, thaw and serving, storage times and information on foods that do not freeze well. (http://hgic.clemson.edu/factsheets/HGIC3065.htm)

Glazed Carrots 目

Serves 45.

(http://members.tripod.com/~lotsofinfo/V7Glazedcarrots.htm)

Healthwise Quantity Cookbook 但

Recipes for sides, soups, entrees, and baking in quantity. (http://www.canolainfo.org/html/quantity.html)

Idaho Potato Recipes @

Foodservice recipes for large quantities. (http://www.idahopotato.com/FoodService/Recipes/FS_RecipeInde)

Link Culinaire Recipes @

A large index of chef recipes designed for restaurant use and large crowds. (http://www.flash.net/%7Echefr/hotline.htm)

Potatoes.com: Recipes and Cooking @

A selection of foodservice recipes using potatoes. (http://www.potatoes.com/recipes.cfm?Query=I)

Recipes from Challenge II 🗗

Fifteen recipes to serve 50 to 100 people, from the USDA. (http://www.nal.usda.gov:8001/Chef/challenge2.html)

RecipeSource: Serves 100 🗗

A chart to calculate how much food is needed to serve 100 people. (http://www.recipesource.com/misc/hints/serves-1001.html)

The Recipe Hut: Recipes for 50 Persons or More

Includes spareribs and barbecue sauce, spaghetti and hamburger sauce, potato salad, meat loaf and tomato sauce.

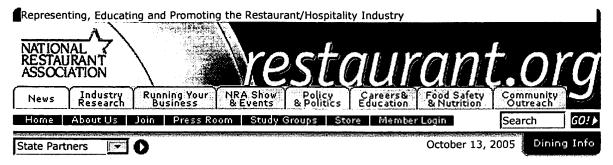
(http://recipehut.homestead.com/Bulk.html)

UniChef.com 但

Recipes for professional chefs. Yields are for foodservice applications. (http://www.unichef.com/recipes.htm)

Copyright © 2005 wo-ist.de and its licensors - All rights reserved

Auto Computer Elektronik Erotik Finanzen Geschenke Gesundheit Handy Internet Musik News & Wetter Reisen Schönheit Shopping Spiele Sport Treffpunkt Unterha Zuhause





View the <u>slide show</u> from the NRA's 20th annual <u>Public Affairs Conference</u>, Sept 12-13 in Washington, D.C.



The National Restaurant Association announced the winners of the seventh annual <u>Restaurant</u> <u>Neighbor Award</u>. See the <u>2005 finalists</u>.



Learn more about Ask Us!, the restaurant industry's voluntary, nationwide effort to help customers make informed menu choices.



Introducing the Food Allergy Buddy Dining Card program: A public service for food-allergic consumers to easily communicate specific food allergies to restaurant staff.

Association Serves as Clearinghouse on Restaurantrelated Hurricane News:

Restaurateurs throughout the country are reaching out to employees and colleagues devastated by Hurricanes Katrina and Rita. Find out more about restaurants affected by the hurricanes and what the industry is doing to help on our <u>Hurricane</u> Restaurant Resource Center. Follow all the news on the NRA's <u>Hurricane Restaurant blog</u> and post or find a job for displaced employees at our <u>Job Resource Center</u>.



17,000+ Restaurants Participate in Dine for America:

Restaurants across the country banded together on October 5th for "Dine for America" day, a national fundraising effort to support the America Red Cross Disaster Relief Fund and help those affected by Hurricanes Katrina and Rita. Find which restaurants <u>participated</u> or learn more about the <u>big event</u>.

Top News

News from the NRA for America's restaurateurs

- New Orleans restaurateur Ralph Brennan testifies about hurricane's impact on industry
- <u>MultiCultural Foodservice & Hospitality Alliance to tackle diversity topics at Oct. 5-6 symposium</u>

Recent press releases

More News

More restaurants, more news

- Capitol Hill update
- Free e-mail news
- Fact of the Day



To start, market, run and grow your business.

- Tools and resources
- · Industry research
- Buyers' Guide



Help spread the word about the restaurant industry.

Learn more about the NRA's <u>Cornerstone</u> <u>Initiative</u> and how restaurants are cornerstones of:

- Economy
- Careers
- Community

Don't Miss...

Browse our Buyers' Guide

Our Online Buyers' Guide features more than 2,000 suppliers, distributors and consultants in over 800 product categories. This is the perfect tool to find the resources you need.

<u>Learn more</u>

Info to Go: Restaurant information when you need it

Show Time

Join us at the 2006 NRA Show.



One of the smartest investments you'll ever make.

May 20-23, 2006.

• Be an exhibitor



New! <u>TakeCharge</u> of credit card processing!



Use our <u>job bank</u> to post openings or look for candidates.

The latest in information retrieval -online, 24/7. NRA members can access
1,000+ summaries of trade-journal
articles on a wide range of topics, easily
'searchable by keyword. You'll need your
NRA member number to log in.
Search the articles database

Upcoming events

October 26-27 Connecticut Restaurant Show Hartford, CT

October 26-27
Fall Fiesta Trade Show & Convention
Little Rock, AR

October 28-30 IH&RA 42nd Annual Congress Beijing, China

More events

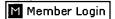
Help Us Help You

By Joining the National Restaurant Association We represent, educate and promote the restaurant industry better than anyone.

- Why Join?
- Member services
- About us
- "Who We Are" Video

Must-have member services & discounts Health insurance, credit card processing, crisis communications services and more.

Find out how to save money on key services



National Restaurant Association \(\) EDUCATIONAL FOUNDATION \(\)

ServSafe® classes, scholarships, training, and more!

©Copyright 2002 National Restaurant Association 1200 17th St., NW Washington, DC 20036 202-331-5900 Legal Notice | Your Privacy | Contact Us | Site Index

First Hit Fwd Refs

Previous Doc

Next Doc

Go to Doc#

End of Result Set

Generate Collection

Print

L2: Entry 2 of 2

File: USPT

May 1, 1990

US-PAT-NO: 4922435

DOCUMENT-IDENTIFIER: US 4922435 A

** See image for <u>Certificate of Correction</u> **

TITLE: Food preparation robot

DATE-ISSUED: May 1, 1990

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Cahlander; Robert L. Red Wing MN Carroll; David W. Cannon Falls MN Hanson; Robert A. Inver Grove Heights MN Hollingsworth; Al Naperville ILGlen Ellyn IL

Reinertsen; John O.

ASSIGNEE-INFORMATION:

NAME STATE ZIP CODE COUNTRY TYPE CODE CITY

Restaurant Technology, Inc. Oak Brook IL02

APPL-NO: 07/176568 [PALM] DATE FILED: April 1, 1988

INT-CL: [05] G06F 7/00

US-CL-ISSUED: 364/513; 364/400, 364/477, 99/407, 99/325 US-CL-CURRENT: 700/247; 700/207, 700/245, 99/325, 99/407

FIELD-OF-SEARCH: 364/513, 364/400, 364/477, 364/557, 99/403, 99/407, 99/325

PRIOR-ART-DISCLOSED:

<u> 1672738</u>

U.S. PATENT DOCUMENTS

Search Selected Search ALL Clear

Stampley

PAT-NO ISSUE-DATE PATENTEE-NAME US-CL 372380 November 1887 Morris 99/411

1755699 April 1930 Loehr

June 1928

2253027 August 1941 Hall 214/8.5

99/411

	<u>2616359</u>	November 1952	Pierson	99/407
	2841074	July 1958	Schechter	99/355
	2949200	August 1960	Haag	214/310
	3033059	May 1962	Melton et al.	74/801
	3080999	March 1963	Clarke et al.	221/266
	3183856	May 1965	Jolly	107/1
	3218960	November 1965	Leiby et al.	99/354
	3227313	January 1966	Morena	222/57
	3228320	January 1966	Tumonis	99/409
	3262593	July 1966	Hainer	214/651
	3273488	September 1966	Anetsberger	99/107
П	3283695	November 1966	Belshaw et al.	99/354
	3340790	September 1967	Simjian	99/352
	3340792	September 1967	Matzke	99/405
	3391633	July 1968	Boosalis	99/357
	3410198	November 1968	Lohr et al.	99/423
	3442200	May 1969	Babel	99/357
	3442423	May 1969	Cozad	222/70
	3456425	July 1969	Pezza	53/236
	3641263	February 1972	Rhoads et al.	178/6
	3653541	April 1972	Crum	221/150HC
	3665842	May 1972	Visitacion	99/332
	3690247	September 1972	Van Cleven et al.	99/355
	<u> 3866795</u>	February 1975	Urano	221/150HC
	3908531	September 1975	Morley	99/336
	<u>3910535</u>	October 1975	Ohnaka	248/16
	3984009	October 1976	Holroyd	214/1BB
П	4036569	July 1977	Oshikiri	425/140
	4044660	August 1977	Montague et al.	99/326
	4074793	February 1978	Yuter	186/1R
	4171144	October 1979	Rodriguez	294/30
	4176590	December 1979	Kochan	99/405
	4226176	October 1980	Macchi	99/335
	4228730	October 1980	Schindler et al.	99/329R
	4289064	September 1981	Rosenblatt	99/334
	4295771	October 1981	Mehesan, Jr.	414/5
	4438683	March 1984	Bartfield	99/330
	4503507	March 1985	Takeda et al.	364/513

4553222	November 1985	Kurland et al.	364/900
4595333	June 1986	Mono et al.	414/729
4611749	September 1986	Kawano	228/176
4616971	October 1986	Matrone	414/730
4627785	December 1986	Monforte	414/730
4628974	December 1986	Meyer	141/129
4664590	May 1987	Maekawa	414/744
4685386	August 1987	Bezon	99/404
4688549	August 1987	Blankemeyer et al.	126/373
<u>4742455</u>	May 1988	Schreyer	364/400

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
226185	August 1985	DE	
2161294	June 1986	GB	

ART-UNIT: 236

PRIMARY-EXAMINER: MacDonald; Allen

ATTY-AGENT-FIRM: Jenner & Block

ABSTRACT:

A fully automated robotized system and method is provided for cooking food products. The system and method is especially useful for use in a quick service or fast food restaurant and, in one embodiment, is capable of cooking, on a fully automated basis, french fries, chicken nuggets, fish filets and chicken patties. In one embodiment, the system includes a robot, a bulk uncooked food dispensing station, a cooking station and a cooked food storage station. The system can be controlled by a computer operating and control station that controls and directs the robot to obtain bulk food from the dispensing station, place it in cooking position at the cooking station and when cooked, remove the food and deliver it to the storage station, at a rate required to fill anticipated customer orders.

118 Claims, 58 Drawing figures

Previous Doc Next Doc Go to Doc#

First Hit Fwd Refs Previous Doc Next Doc Go to Doc#

Generate Collection Print

L2: Entry 1 of 2

File: USPT

May 13, 1997

US-PAT-NO: 5630070

DOCUMENT-IDENTIFIER: US 5630070 A

TITLE: Optimization of manufacturing resource planning

DATE-ISSUED: May 13, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Dietrich; Brenda L. Yorktown Heights NY Wittrock; Robert J. Ossining NY

ASSIGNEE-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY TYPE CODE

International Business Machines

Armonk NY 02

Corporation

APPL-NO: 08/108014 [PALM]
DATE FILED: August 16, 1993

INT-CL: [06] $\underline{G06}$ \underline{F} $\underline{17/60}$

US-CL-ISSUED: 395/208 US-CL-CURRENT: 705/8

FIELD-OF-SEARCH: 364/401, 364/402, 304/41R, 304/402, 395/207-208, 395/210

Search Selected

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search ALL

Clear

		•	
PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
4646238	February 1987	Carlson, Jr. et al.	364/403
4744026	May 1988	Vanderbei	364/402
4744027	May 1988	Bayer et al.	364/402
<u>4885686</u>	December 1989	Vanderbei	364/402
4924386	May 1990	Freedman et al.	364/402
5053970	October 1991	Kurihara et al.	364/468
5093794	March 1992	Howie et al.	364/468

5101352	March 1992	Rembert	364/401
<u>5140537</u>	August 1992	Tullis	364/578
<u>5148370</u>	September 1992	Litt et al.	364/468
5155679	October 1992	Jain et al.	364/402
5172313	December 1992	Schumacher	364/401
<u>5185715</u>	February 1993	Zikan et al.	364/807
5216593	June 1993	Dietrich et al.	364/402

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
0364090	August 1989	EP	•
0517953A2	December 1991	EP	

OTHER PUBLICATIONS

ART-UNIT: 241

PRIMARY-EXAMINER: Hayes; Gail O.

ASSISTANT-EXAMINER: Kyle; Charles

ATTY-AGENT-FIRM: Perman & Green

ABSTRACT:

A method for constrained material requirements planning, optimal resource allocation, and production planning provides for an optimization of a manufacturing process by designating the amounts of various manufactured products to be produced, which products include both end products as well as subassemblies to be employed in the manufacture of one or more of the end products. In order to accomplish the optimization, the method employs an objective function such as the maximization of income in a situation wherein there are limitations on the inventory of raw materials and tools to be employed in the manufacturing process. Data describing elemental steps in the manufacturing process for the production of each end product, as well as the quantity or demand for each end product which is to be supplied, are presented as a set of linear mathematical relationships in matrix form to be inserted in a computer which determines the optimum number of each end product in accordance with an LP optimization algorithm. The matrix contains bill

[&]quot;Molp with an Interactive Assessment of a Piecewise Linear Utility Function", Jacquet-Lagreze et al, European Journal of Operational Research, vol. 31, 1987, pp. 350-357.

[&]quot;A Hybrid Approach to Multi-Objective Linear Optimization", Poh et al., Journal of the Operational Research Society, vol. 41, No. 11, 1990, pp. 1037-1048.

[&]quot;A Weighted-Gradient Approach to Multi-Objective Linear Programming Problems Using the Analytic Hierarchy Process", Arbel, Mathematical and Computer Modelling, vol. 14, No. 4/5, 1993, pp. 27-39.

[&]quot;Determination of the Crop Mix of a Rubber and Oil Plantation--A Programming Approach", Tan et al., European Journal of Operational Research, vol. 34, 1988, pp. 362-371.

of material data, and various constraints such as a constraint on the sum of products shipped and used as subassemblies, and constraints based on inventory, on available time for use of resources such as tools, and on inventory left over from an early production run for a later run.

23 Claims, 10 Drawing figures

Previous Doc Next Doc Go to Doc#

PALM Intrane	t					
Application Number		SEARC				
IDS Flag Cle	arance for App	lication 100773	364			
IDS Information						
	Content	Mailroom Date	Entry Number	IDS Review	Reviewer	
			. UPDATI			